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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,932	09/09/2003	David N. Ku	8537-3 3113	
	7590 05/25/200 L SIBLEY & SAJOVE	EXAMINER		
PO BOX 37428			WILLSE, DAVID H	
RALEIGH, NC 27627		•	ART UNIT	PAPER NUMBER
			3738	
			MAIL DATE	DELIVERY MODE
•			05/25/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)	
Office Action Summary		10/658,932	KU, DAVID N.	
		Examiner	Art Unit	
		Dave Willse	3738	
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	orrespondence address	
A SH WHIC - Exter after - If NC - Failu Any (	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING Dots ions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE.	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status				
2a) <u></u>	Responsive to communication(s) filed on 16 M. This action is <b>FINAL</b> . 2b) This Since this application is in condition for alloward closed in accordance with the practice under Exercise 1.	action is non-final.  nce except for formal matters, pro		
Dispositi	on of Claims			
5)□ 6)⊠ 7)□ 8)□ <b>Applicati</b> 9)□	Claim(s) 1-29 and 34-73 is/are pending in the address of the above claim(s) 8,10-12,27,53-55 and Claim(s) is/are allowed.  Claim(s) 1-7,9,13-26,28,29,34-52,56-69 and 7  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/o  on Papers  The specification is objected to by the Examine The drawing(s) filed on is/are: a) acceptable.	d 70 is/are withdrawn from consident of 1-73 is/are rejected.  I election requirement.  I er.  I epted or b) □ objected to by the B	Examiner.	
11)	Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	tion is required if the drawing(s) is obj	jected to. See 37 CFR 1.121(d).	
Priority u	inder 35 U.S.C. § 119			
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>				
2) D Notic 3) D Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-7, 9, 13-26, 28, 29, 34-52, 56-69, and 71-73 are rejected under 35 U.S.C. 112. first paragraph, as failing to comply with the written description requirement. The claims contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor, at the time the application was filed, had possession of the claimed invention. In claim 1 and other claims, the negative limitations "devoid of internal reinforcing material" and devoid of endplates (e.g., claim 1, line 2) are not taught or suggested in the original disclosure. The mere absence of a positive recitation is not a basis for an exclusion (MPEP § 2173.05(i)). In fact, the Applicant actually describes and claims embodiments having internal reinforcing material (e.g., paragraphs 0046, 0051, and 0054; claim 59) and endplates (e.g., paragraph 0053; claim 73). In claim 4, lines 3-4, the addition of the term "about" to the range set forth at page 12, lines 2-3, of the specification alters the lower and upper limits of said range to vague values unsupported by the original disclosure (MPEP § 2163.05). Similar problems occur in claims 29, 53 (withdrawn), 64, and 65. The range defined in withdrawn claim 10 is not found in the original disclosure. In claim 34, the pair of ranges pertaining to "at least 2 degrees of rotation between the superior and inferior faces with torsions of at least 1 N-m without failing" is not supported by the original disclosure. In claim 35, last line, the "fabric mesh molded only to exterior surfaces" of the hydrogel (emphasis added) is not discussed in the original disclosure. In claim 47, the "monolithic body of freezethaw cryogel that defines a core and annulus" (emphasis added) is not taught by the original

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disclosure. The further limitations of claim 10 (withdrawn), 54 (withdrawn), 66, and 69 are

likewise unsupported in the original disclosure. Other errors were noted. The withdrawn claims

are discussed above in an effort to advance prosecution of the instant application. The prior art

rejections under 35 U.S.C. 103(a) have been withdrawn without prejudice; prior art may be

applicable once the aforementioned problems have been resolved.

The Applicant's remarks, which make no reference to the Applicant's own specification

(MPEP § 2163.06, section I, last sentence), are deemed to be moot in view of the new grounds of

rejection presented above.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dave Willse, whose telephone number is 571-272-4762 and who

is generally available Monday through Thursday and often on Friday. If attempts to reach the

examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott, can be

reached on 571-272-4754. The fax phone number for the organization where this application or

proceeding is assigned is 571-273-8300.

Dave Willso

**Primary Examiner** 

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